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Lo! the green thorn her silver buds,  
 Expands to Maia's genial beam;—  
 Hottonia\* blushes on the flood;  
 And where the slowly trickling stream  
 Through grass, and spiry rushes glides  
 Her lovely fringed flowers fair Menyan-  
 thes† hides.

In the lone copse or shadowy dale,  
 Wild clustering knots of hare-bells  
 blow;  
 And droops the lily of the vale,  
 O'er vinca's‡ matted leaves below;—  
 The Orches race with varied beauty  
 charm,  
 And mock the exploring bee, or fly's  
 arial form.

Wound o'er the hedge-row's oaken boughs  
 The woodbine's tassels float in air;  
 And blushing, the uncultur'd rose  
 Hangs high her beauteous blossoms  
 there;  
 Her fillets there the purple Nightshade  
 weaves,  
 And pale Bionia winds her broad and  
 scollop'd leaves.

To later summer's fragrant breath,  
 Clematis§ feathery garlands dance;  
 The hollow fox-glove nods beneath,  
 While tall Mullein's yellow lance,

\* Water-violet....† Buck bean.  
 ‡ Periwinkle....§ Virgin's bower.

(Dear to the mealy tribe of evening) towers  
 And the weak Galium\* weaves her  
 myriad tiny flowers.

Sheltering the coot's or wild-duck's nest,  
 And where the timid Halcyon hides,  
 The Willow-herb in crimson drest,  
 Waves with Arundo† o'er the tides;  
 And there the bright Nymphaea‡ loves  
 to lave,  
 And spreads her golden orbs along the  
 dimpling wave.

And thou! by pain and sorrow blest  
 Papaver|| that an opiate dew  
 Conceals't beneath thy crimson vest  
 Contrasting with Cyanus§ blue,  
 The autumnal months behold thy gaudy  
 leaves,  
 Bend in the rustling gale amid the tawny  
 sheaves,

From the first bud whose vent'rous  
 head  
 The winter's lingering tempest braves,  
 To those which 'mid the foliage dead,  
 Shrink latest to their annual graves;  
 All are for use, for health, for pleasure  
 given,  
 All speak in various ways the bounteous  
 hand of Heaven!

\* Lady's bed straw....† Reed grass.  
 ‡ Water lily....§ Poppy....|| Blue bottle.

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## DISCOVERIES AND IMPROVEMENTS IN ARTS, MANU- FACTURES, &c.

*Patent of Mr. John Davenport, of Lang-  
port, Staffordshire, Glass-maker, for  
a method of ornamenting all kinds  
of Glass, in imitation of engraving  
or etching.*

*Dated July, 1806.*

**T**HE invention, for which this patent  
is taken, is applied besides the  
purposes mentioned in the title, to  
form a rough surface on glass de-  
signed for window blinds in a cheaper  
and better manner than by grinding ;  
this being the simplest application of  
it, is preferred to begin the descrip-  
tion of the process.

The principle of the invention con-  
sists in the application of a coat  
of powdered glass to the surface of  
common glass, mixed with ingredients  
that enable it to adhere, and increase  
its fusibility, so that a heat below  
that required for melting the articles  
to which it is applied, will sufficiently  
soften it so as to make it unite firm-  
ly to them, without losing the rough-  
ness of its surface.

The process by which this coating  
is made to produce various figures,  
consists in tracing on it by graving  
tools, and other instruments, such  
devices as are desired, before the heat  
is applied, and while it only adheres  
by the tenacity of some of the in-  
gredients mixed with it. "By this  
means, borders, cyphers, coats of arms,

drawings, and the most elaborate de-  
signs, may be executed in a stile of  
elegance, equal, if not superior to  
any hitherto known," and at a much  
cheaper rate, than by the tedious and  
hazardous operations of the Glass-  
cutter's wheels.

The mixture of the coating, which  
Mr. Davenport recommends, is to  
consist of equal parts of the three  
following compositions prepared as will  
be directed.

No. 1, is composed of 160 parts  
of broken flint glass (called by glass  
blowers cullitt) 10 parts of pearl-ashes,  
40 parts of red lead, and 10 parts of  
Arsenic.

No. 2, consists of 120 parts of  
cullitt, or broken glass, 160 parts of  
red lead, 60 parts of sand, or silix,  
and 60 parts borax.

No. 3, is formed by 70 parts of  
red lead,  $22\frac{1}{2}$  parts of sand, or silix,  
and 40 parts of calcined borax.

Each of these compositions are to  
be fused separately. And then equal  
parts of them are to be taken and  
ground into an impalpable powder,  
and to be mixed with materials proper  
for coating the glass, to be afterwards  
mentioned.

Litharge may be used instead of red  
lead, and other proportions of the a-  
bove ingredients, or others of a like  
quality may be used ; or they may